

**INTERNATIONAL SEARCH REPORT**

International application No. PCT/US04/23886
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Continuation of B. FIELDS SEARCHED Item 3:  
JPAB; EPAB and DWPI: keywords: "(co or cobalt) near (mn or managnese or cr or chromium or al or aluminum or zn or zinc or cu or copper) near4 (ferrite or \$fe2o4)" and "co\$mn\$fe\$o4 or co\$cr\$fe\$o4 or co\$cu\$fe\$o4 or co\$zn\$fe\$o4 or co\$al\$fe\$o4"

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US03/28432

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : BO1D 3/00, 11/00; F28B 3/00, 9/10  
 US CL : 202/169, 172, 174, 176, 185.1, 185.5, 202; 203/39, 87, 89; 165/111  
 According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 U.S. : 202/169, 172, 174, 176, 185.1, 185.5, 202; 203/39, 87, 89; 165/111

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 Please See Continuation Sheet

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,123,481 A (ALBERS et al.) 23 June 1992 (23.06.1992), abstract, column 3, lines 35 et seq., Column 10, lines 10-50, Column 17-22 all lines.	1-5, 12-20
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Y		
X	US 5,097,688 A (ALBERS et al.) 24 March 1992 (24.03.1992), Claims 1-5.	12-20
Y	US 5,020,588 A (ALBERS et al.) 04 June 1991 (04.06.1991), abstract, Column 3, lines 18-67 and Column 4 lines 1-63]	1-5
Y	US 5,020,355 A (ALBERS et al.) 04 June 1991 (04.06.1991), see abstract and Column 8, lines 63 et seq.	1-20
A	Larsen et al, The Carrier Gas Process--A New Desalination and Concentration Technology, 73 (1989) 119-137 Elsevier Science Publishers.	1-20
Y	WO 88/06054 (ZEILON) 25 AUGUST 1988 (25.08.1988), Page 3, line 1 et seq.	1-20

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

03 November 2004 (03.11.2004)

Date of mailing of the international search report

23 NOV 2004

Name and mailing address of the ISA/US

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PCT/US03/28432

**Continuation of B. FIELDS SEARCHED Item 3:**  
USPAT, USPGPUB, DERWENT, EPO, JAPO

search terms: evaporator same dew same condensat, same heat exchang\$5, same (first and second)

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*(USP 77)*